

Vertical Autoclave



Ettore Darvi

Vertical Autoclave works on the principle of moist heat sterilization using pressurized steam to kill all forms of microbial life, including bacteria, viruses, fungi, and spores.

Application :

- **Medical & Healthcare :** Used for sterilizing surgical instruments, syringes, dressing materials, and disinfecting used gloves, cotton, and linens.
- **Microbiology & Research Labs:** Sterilizes glassware, pipettes, petri dishes, and culture media.
- **Pharmaceutical & Biotechnology:** Sterilizes production tools, filters, and liquids. It maintains sterile clean room conditions.



Benefits :

- **Space-Saving Design:** The vertical configuration is ideal for facilities with limited floor space, allowing easy placement in compact laboratories or clinics.
- **Efficient Sterilization:** Ensure uniform steam distribution for thorough sterilization of instruments, liquids, and lab ware with no cold spots.
- **Durable & Corrosion-Resistant:** Made from high-grade stainless steel for long-lasting performance
- **Low Maintenance:** Simple, modular design with easily replaceable parts ensures minimal downtime and low operating costs.

Product Description			
Model	Capacity	Inner Chamber	Outer Chamber
FT-VA-35L	35L	300 x 400 mm	480 x 460 x 850 mm
FT-VA-50L	50L	340 x 550 mm	520 x 520 x 980 mm
FT-VA-75L	75L	400 x 600 mm	560 x 580 x 980 mm
FT-VA-100L	100L	440 x 650 mm	590 x 590 x 1080 mm
FT-VA-120L	120L	480 x 660 mm	600 x 640 x 1140 mm
FT-VA-150L	150L	510 x 740 mm	670 x 690 x 1140 mm

Customized sizes available on request



Outer & Inner Chamber

Make up of Stainless Steel SS-304 Grade



Pressure release Valve

Automatic or manual purging



Microprocessor LCD Controller

Easy programming, display of set & present Temperature, Timer



Radical Lock System

Easy to lock the chamber with no pressure leak



Pressure Gauge

Real pressure shows inside the chamber



Valve

Manual Water Removal

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TECHNICAL SPECIFICATIONS

Type	Vertical
Working	Semi-Automatic Fully Automatic
Temperature Range	80°C to 130°C
Construction	Doubled Triple-walled unit
Working Temperature	121°C
Locking System	Radial Lock
Purge	Manual Automatic Release pressure
Working Pressure	15- 22psi (adjustable)
Time Scope	0-999min or 0-99hour59min
Audio & Visual Alarm	Low water Cycle Complete Door Alarm
Heat Accuracy	±1.0°C
Controller	PID Controller
Inner Chamber	Boiler made up of Stainless steel SS304 316
Outer Chamber	Stainless steel 304 grade
Power	220/230 volts AC



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